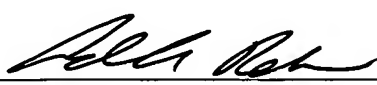


1 DT03 Rec'd PCT/PTO 13 OCT 2004

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|---|---|--|
| FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   |   | ATTORNEY'S DOCKET NUMBER<br>4239-64801-02                                |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. § 371  |   | U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.5)<br><b>10/511409</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/US03/11562   | INTERNATIONAL FILING DATE<br>April 15, 2003 | PRIORITY DATE CLAIMED<br>April 15, 2002                                  |
| TITLE OF INVENTION<br>METHODS FOR SEPARATION AND DETECTION OF KETOSTEROIDS AND OTHER CARBONYL-CONTAINING COMPOUNDS  |   |  |
| APPLICANT(S) FOR DO/EO/US<br>Xia Xu, Regina G. Ziegler, David J. Waterhouse, Joseph E. Saavedra, and Larry K. Keefer  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |  |
| <ol style="list-style-type: none"><li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. § 371.</li><li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. § 371.</li><li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. § 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1).</li><li>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19<sup>th</sup> month from the earliest claimed priority date.</li><li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. § 371(c)(2))<ol style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> is transmitted herewith.</li><li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li><li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li></ol></li><li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. § 371(c)(2)).</li><li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))<ol style="list-style-type: none"><li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li><li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li></ol></li><li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).</li><li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. § 371(c)(4)).</li><li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).</li></ol> |   |  |
| <b>Items 11. to 16. below concern document(s) or information included:</b>  |   |  |
| <ol style="list-style-type: none"><li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98.</li><li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$40.00 is included.</li><li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.<br/><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li><li>14. <input type="checkbox"/> A substitute specification.</li><li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li><li>16. <input checked="" type="checkbox"/> Other items or information:<ol style="list-style-type: none"><li><input checked="" type="checkbox"/> Abstract on a separate page.</li><li><input type="checkbox"/> Written Opinion.</li><li><input type="checkbox"/> Preliminary Examination Report.</li><li><input checked="" type="checkbox"/> International Search Report.</li><li><input type="checkbox"/> Copies of References Cited.</li></ol></li></ol>  |   |  |

AAR:lam 10/13/04 4239-64801-02 317214

EXPRESS MAIL LABEL NO. EV331579968US  
DATE OF DEPOSIT: OCTOBER 13, 2004

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|--|--------------|---|------------|---|----|
| U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.53)<br><b>10/511409</b>  |              | INTERNATIONAL APPLICATION NO.<br>PCT/US03/11562 |            | ATTORNEY'S DOCKET NUMBER<br>4239-64801-02 |    |
| 17. <input checked="" type="checkbox"/> The following fees are submitted:<br><br><b>BASIC NATIONAL FEE (37 C.F.R. §§ 1.492(a)(1)-(5)):</b><br><br>Neither International Preliminary Examination fee (37 C.F.R. § 1.482) nor International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1,110.00<br><br>International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... \$950.00<br><br>International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO as an International Searching Authority ..... \$790.00<br><br>International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... \$750.00<br><br>International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00 |              |   |            | CALCULATIONS (PTO USE ONLY)               |    |
| <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>  |              |   |            | <b>\$ 750.00</b>                          |    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(e)).   |              |   |            | \$  |    |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA                                    | RATE       |   |    |
| Total claims   | 51 - 20 =    | 31  | x \$18.00  | \$ 558.00                                 |    |
| Independent Claims   | 5 - 3 =      | 2   | x \$88.00  | \$ 176.00                                 |    |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | + \$230.00 | \$  |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | <b>\$ 1,484.00</b>                        |    |
| <input type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application.   |              |   |            | \$  |    |
| <b>SUBTOTAL =</b>  |              |   |            | <b>\$ 1,484.00</b>                        |    |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)).   |              |   |            | \$  |    |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |            | <b>\$ 1,484.00</b>                        |    |
| Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property.   |              |   |            | \$ 40.00                                  |    |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |            | <b>\$ 1,524.00</b>                        |    |
|  |              |   |            | REFUND →                                  | \$ |
|  |              |   |            | CHARGE →                                  | \$ |
| a. <input checked="" type="checkbox"/> A check in the amount of \$1524.00 to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. <u>02-4550</u> . A duplicate copy of this sheet is enclosed.<br>d. <input checked="" type="checkbox"/> Please return the enclosed postcard to confirm that the items listed above have been received.  |              |   |            |   |    |
| <b>NOTE:</b> Where an appropriate time limit under 37 C.F.R. § 1.494 or § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.   |              |   |            |   |    |
| SEND ALL CORRESPONDENCE TO THE ADDRESS ASSOCIATED WITH<br><br><b>CUSTOMER NUMBER 36218</b><br><br>KLARQUIST SPARKMAN, LLP<br>One World Trade Center, Suite 1600<br>121 S.W. Salmon Street<br>Portland, OR 97204-2988   |              |   |            |   |    |
| <br>SIGNATURE<br><br>Aden A. Rehms, Ph.D.<br>NAME<br><br>55,935<br>REGISTRATION NUMBER   |              |   |            |   |    |

cc: Docketing